



KWIK-TOP Installation Guide

PRODUCT DESCRIPTION

KWIK-TOP is a multi-use cementitious protective coating and re-surfacer designed for application over a broad range of surfaces such as concrete, brick, metal and masonry.

PRODUCT COMPOSITION

KWIK-TOP consists of a proprietary liquid polymer, and specially formulated cement blends which are mixed by the applicator on the job-site.

PRIMER OPTIONS

Two Primer methods can be used, choose one of the following methods:

A. (*Recommended*) The 4100 epoxy primer will provide the best adhesion and prevent most failures caused by high MVE (moisture vapor emissions) levels. Adhesion testing conducted by the VBP lab show that the 4100 primer method outperformed the latex and slurry type primers in all tests. As a general rule use the 4100 primer whenever possible.

B. The 2050 latex primer can be used on those jobs that have good surface profile and do not show any signs of MVE.

COVERAGE RATES AND PACKAGING

4100 EPOXY PRIMER	375 ft/Kit	Sold in 1.5-Gallon Unitized Kit
KWIK-TOP 2050 Texture Bag	125 ft/bag	Sold in bags
KWIK-TOP 2050 Liquid	1.25 gal per 2050 bag	Sold in 5-Gallon Pails
TINT VIAL	1 vial per bag	Sold in individual packages
FINISH RESIN (color coat)	75-110 ft/gallon	Sold in 1 & 5-Gallon Units
VERSAGLAZE (clear coat)	100-150 ft/gallon	Sold in 1 & 5-Gallon Units
AQUAGUARD (clear coat)	150-200 ft/gallon	Sold in 1 & 5-Gallon Unit

OPTIONAL 2051 PRIMER

KWIK-TOP 2051 Grout Bag	500 ft/bag	Sold in bags
KWIK-TOP 2050 Liquid used with 2051	3 gal per 2051 bag	Sold in 5-Gallon Pails

SUBSTRATE REQUIREMENTS

Concrete

Concrete and substrate surface shall be free of dust, dirt, grease, contamination, surface laitance, and other potential bond-breaking substances that could impair adhesion. All surface spalls, deteriorated concrete, and cracks should be addressed prior to KWIK-TOP installation. Substrate temperature must be between 65 and 85 degrees Fahrenheit during installation. Mist water onto substrate to cool if necessary.

Other Substrates

Consult with a Versatile Building Products representative for recommendations over other substrates.

SURFACE PREPARATION

(There are many methods of surface preparation for various substrates, many of which are adequate for this application. Consult a Versatile Building Products Representative for alternatives to the procedure outlined below, and methods of correcting problematic and contaminated substrates.)

Concrete

Test concrete porosity by pouring a small amount of water onto concrete to make sure it absorbs and wets out the surface. If water does not penetrate then mechanical preparation will be required to open up the pores in the concrete prior to applying the coating. All concrete shall be clean and free of oil, debris and any other contaminants that can affect bond.

Other Surfaces

Consult VBP for specific requirements.

Cleaning

Clean all surfaces with Versatile Building Products V-100 Cleaner/Degreaser. Follow V-100 instructions. Allow surface to dry before proceeding.

Repairs

Make all repairs to concrete prior to installing coating.

STEP 1) PRIMING

A. 4100 Method

Mixing

Mix 2 parts by volume 4100 PRIMER A-Component with 1 part by volume 4100 PRIMER B-Component for 2-3 minutes using a jiffy-type mixing blade at no less than 400rpm. Transfer mixed material to a second mixing vessel and mix an additional 30 seconds to ensure that material along the sides of the first mixing vessel have been properly incorporated into the mixture.

Application

Apply mixture to the substrate using a brush, roller, or squeegee at a uniform coverage rate of 250 ft per mixed gallon. Use spiked shoes when walking into wet material.

Apply 4100 as listed above and then broadcast to refusal #30 sieve silica sand over the wet 4100 and allow it to dry. Remove all loose sand. Verify that the dried material has a sandpaper finish and then proceed with application of topping.

****If concrete is extremely porous, sand may not stick to the initial application of 4100. If sand does not fully adhere to first coat then a second application of 4100 and silica sand broadcast will be required to those areas. DO NOT PLACE THE 2050 or 2051 MORTAR OVER NON SANDED 4100, THIS WILL RESULT IN DELAMINATION!***

Cure Times

4100 can typically accept 2010 Mortar Placement 16-24 hours.

(Note: Cure time is effected by environmental conditions. Do not force dry. High humidity and/or low temperatures can cause haziness and blushing in the coating. Material has a pot-life of 90 minutes based on an insulated 200 gram mass at a starting temperature of 77°F. ***Warning: Large masses of mixed and/or heated material will have a shorter pot-life.***)

4100 CLEANUP

Immediately cleanup splatter marks and tools with lacquer thinner. Clean hands and exposed skin with mild soap and water, and/or citrus based hand-cleaner.

B. 2051 Method

2051 Grout Coat

Using a jiffy-type mixing blade at a maximum of 400 rpm, mix KT 2050 Liquid with KT 2051 Grout Powder. Mix bag of 2051 Grout Powder with 10-12 quarts of the 2050 Liquid to obtain paint like consistency. Add Powder gradually to the Liquid while mixing. Add a Color Vial to the mixture if desired. Mix until a smooth lump free paint like consistency has been reached.

2051 Grout Application

Apply the mixed 2051 Grout mixture to the substrate using a roller, brush or soft bristle push broom. Spread material at a uniform rate while maintaining a wet edge. Apply mixture at a coverage rate of 700-800 ft per mixed bag. Do not allow material to puddle. Allow to dry 1-2 hours before applying subsequent coats. Additional coats may be necessary over highly porous concrete.

STEP 2) KWIK-TOP MIXING

2050 Body Coat

Use a ratio of 1 Color Vial for each 50LB bag of 2050 Texture to get color as shown on color chart. Pour contents of Vial into mixing bucket, then add some 2050 liquid to vial and shake vial to be sure all of contents are mixed with the liquid colorant and pour remaining liquid from Vial into mixing bucket. Using a jiffy-type mixing blade at a minimum of 400 rpm and heavy duty drill, mix 50lb of the 2050 powder into 4-5 quarts of 2050 liquid to a uniform lump free pancake batter consistency.

STEP 3) KWIK-TOP APPLICATION

TEXTURED COAT

2050 Texture Application

Apply 2050 Texture mixture by trowel, hopper gun, roller or brush as necessary to achieve desired finish. Allow material to cure to a dry state before applying additional coats.

Knockdown Texture Application

Apply the 2050 Texture with a Hopper Gun using 12-20 LBS of pressure. Use the large diameter setting on gun and large orifice. Spray 2050 Texture so rounded blobs up to the size of a nickel form on the surface. Be sure to achieve 100% saturation to ensure uniform color. Allow 2050 to set up to a semi rigid state. Flatten tops using a Pool Trowel to obtain the desired Knockdown Finish. Use spiked shoes when walking out onto the wet texture is required. Keep Pool Trowel clean by repeatedly wiping down with water.

Taped or Pre-Fabricated Template Finish

Apply 2051 Grout material as listed above. When dry place grout tape, strips or pre-fabricated template over surface in desired pattern. Apply Textured Coat over surface by trowel, hopper gun, roller or brush. Allow material to dry 4-24 hours. Use a rubbing stone over surface when dry to pre-wear and remove high spots. If desired, sponge VERSA-STAIN over tops of texture to create a natural stone appearance. Remove tape or template from surface.

Scored Finish

If cracks will be incorporated into the final design, open up cracks to desired width by scoring with a Diamond Blade Crack Chaser. Apply Grout material as listed above making sure ***not to*** fill crack flush with surface, allowing crack to remain visible after Grout Material is dry. Apply Textured Coat as listed above. When dry, use a chalk marker and draw a pattern onto the textured surface creating a flagstone or other design. Incorporate cracks into design. Score lines into the textured coat at chalk lines using the diamond blade crack chaser. Stain surface entire surface with Versa-Stain or Etch-Stain allowing it to collect into the scored lines. Highlight areas of pattern using a sponge to obtain desired finish.

STEP 4) SEALING

Apply 2 coats of sealer, rolling the second coat at a right angle of first coat. Use a "Wet Look" Sealer if a darker finish is desired. Standard sealers typically used are; VERSAGLAZE Clear, or AQUAGUARD clear or Pigmented FINISH RESIN. Refer to appropriate sealer installation guide for proper procedure. Consult VBP on use of other suitable sealers.

ADDITIONAL CAUTIONS AND RECOMENDATIONS

- Do not force dry any components of the KWIK-TOP system.
- Coverage rates may vary.
- Mask all areas that need protection. If overspray or splatter occurs, cleanup with water immediately.
- Always wear protective clothing and equipment as required by OSHA and as necessary.
- Read Material Safety Data Sheets before commencing work
- Use spiked shoes or cleats when walking into wet material.
- Do not apply the KWIK-TOP mixture at a thickness greater than ¼-inch per pass.
- Do not allow grout tape to adhere more than 25-36 hours or it will be difficult to remove.